

SECTION 08 9100

LOUVERS

LANL MASTER SPECIFICATION

When editing to suit project, author shall add job-specific requirements and delete only those portions that in no way apply to the activity (e.g., a component that does not apply). To seek a variance from applicable requirements, contact the ESM Architectural/Mechanical POC.

When assembling a specification package, include applicable specifications from all Divisions, especially Division 1, General Requirements.

Delete information within "stars" during editing.

Specification developed for ML-3 projects. For ML-1 / ML-2, additional requirements and QA reviews are required.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Exterior wall, drainable blade stationary louver assemblies with removable bird screens.

1.2 QUALITY ASSURANCE

- A. Use products of a company specializing in the manufacture of AMCA certified louvers that bear the AMCA certified rating seal for air performance and water penetration.

1.3 SUBMITTALS

- A. Submit the following in accordance with the requirements of Section 01 3300, Submittal Procedures.
 - 1. Catalog data describing materials and finish, and product criteria.
 - 2. Manufacturer's installation instructions.
 - 3. Samples or color charts of standard colors for metal and screen.
 - 4. Shop drawings indicating component details, framed openings, bearing, and anchor location of fasteners and accessories.

PART 2 PRODUCTS

2.1 PRODUCT OPTIONS AND SUBSTITUTIONS

- A. Alternate products may be accepted; follow Section 01 2500, Substitution Procedures.

2.2 MANUFACTURERS

- A. Dowco Corporation
- B. Construction Specialties, Inc.
- C. Industrial Louvers, Inc.

2.3 MATERIALS

- A. Aluminum Extrusions: ASTM B221, alloy 6063-T5.
- B. Aluminum Sheet: ASTM B209, alloy 3003 or 5005, with temper as required for forming.
- C. Fasteners: Use aluminum or 300 series stainless steel fasteners. Provide other accessories as required for complete and proper installations.
- D. Bird Screen: Standard expanded aluminum mesh, maximum $\frac{3}{4}$ inch.

2.4 ACCESSORIES

- A. Use flashings of same material as louver frame.
- B. Use sealants as specified in Section 07 9200.

2.5 FABRICATION

- A. Fabricate with nominal frame depth of 6 inches.
- B. Provide louvers of sizes indicated on the Drawings.

2.6 FINISHES

- A. Use submittal-approved finish and colors for exterior and interior metal surfaces and screens.

PART 3 EXECUTION

3.1 INSPECTION

- A. Verify that prepared openings and flashings are ready to receive work, and openings are as indicated on shop drawings.
- B. Beginning of installation indicates acceptance of existing conditions.

3.2 INSTALLATION

- A. Install louver in accordance with manufacturer's installation instructions.
- B. Install louvers level and plumb.

- C. Secure louvers in opening with fasteners that are removable for maintenance purposes.
- D. Install flashings and align louver assembly to ensure moisture shed from flashings and diversion of moisture to the exterior.
- E. Install bird screen to interior of louver, removable for access.
- F. Install perimeter sealant in accordance with Section 07 9200.

END OF SECTION

Do not delete the following reference information:

FOR LANL USE ONLY

This project specification is based on LANL Master Specification 08 9100 Rev. 1, dated March 8, 2006.